North Carolina at a Crossroads: An Analysis of the Impact of Transportation on our State and Its Future

Bill Rosser, PE
Director - Field Operations
NCDOT Construction Engineers Conference
March 21, 2006





































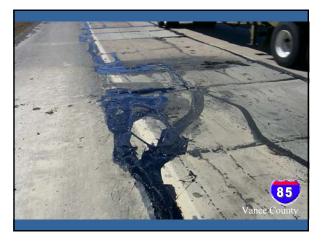




















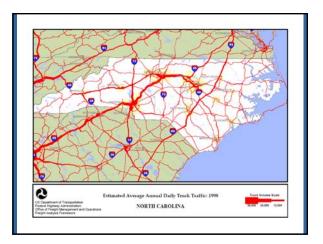


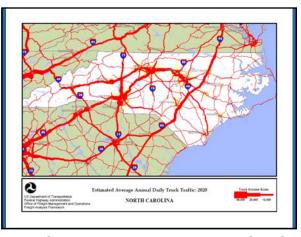


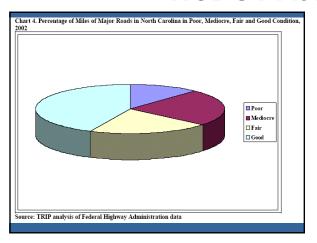






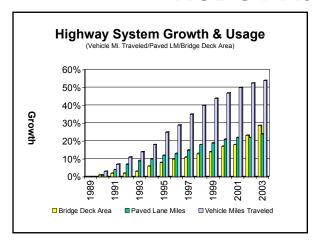


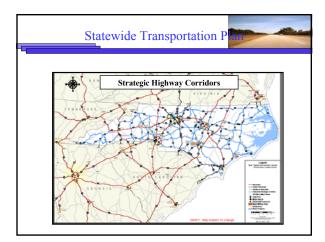




	,	.,	hin North (,	,, 2020
		Tons		Value		
NORTH CAROLINA	(millions)			(billions \$)		
	1998	2010	2020	1998	2010	2020
State Total	511	756	944	426	820	1,324
By Mode						
Air	<1	1	2	29	72	126
Highway	426	641	808	381	719	1,152
Other*	1	3	4	<1	<1	1
Rail	79	104	121	15	26	41
Water	5	7	9	1	2	3
By Destination/Market						
Domestic	493	726	900	392	748	1,189
International	18	30	44	34	72	134

	400
North Carolina State	Highway System
System Resp	onsibility
1989	2004
• 76,808 road miles	• 78,615 road miles
127,809 paved lane miles	158,592 payed lane miles
16,104 miles of unpayed roads	6,644 miles of unpaved roads
16,900 structures	17,756 structures
• 61.1 M sf bridge deck area	78,8 M sf bridge deck area





• Recommended Investment Scenario - Underscores importance of <u>Safety</u> in all investments - 75% of Maintenance & Preservation needs met - represents a 10% increase from past - Major Modernization emphasis (2/3 of needs met) - represents a 25% increase from past - 2/3 of Highway Expansion needs met - Increases investment for non-highway modes

Tiered Approach

- <u>Statewide Tier</u> Facilities such as Interstates and major Primary Highways which serve long-distance trips, connect major population centers, have the highest usage and primarily provide a mobility function.
- <u>Regional Tier</u> Minor US and NC designated highways which connect regional centers and typically serve high levels of demand for short distance like commuter travel.
- <u>Subregional Tier</u> Minor NC routes and Secondary Roads which serve localized, short distance movements, have low demand, and provide land access to homes and businesses.

KEY PERFORMANCE MEASURES					
<u>TIER</u>	<u>PCR</u>	<u>MCA</u>	<u>BR</u> RATING	SIGNAL PM'S	
Statewide	90	LOS B	8.0	100%	
Regional	82	LOS C	7.5	90 %	
Subregional	82	LOS C	7.0	80%	

